

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) Artificial intervertebral disc, comprising a nucleus of flexible material with the shape of a flattened body, with a lower and an upper side connected by a lateral surface, around which at least substantially radially oriented windings of a traction-resistant fibre have been applied.

2. (original) Intervertebral disc according to claim 1, wherein the lower and the upper side are of a rounded shape, preferably of a circular or ellipsoid shape.

3. (currently amended) Intervertebral disc according to claim 1 ~~or 2~~, wherein the windings substantially run along geodetic lines across the surface of the nucleus.

4. (currently amended) Intervertebral disc according to ~~any one of claims 1-3~~ claim 1, wherein the fibres have a tensile strength of at least 1 GPa and a modulus of at least 10 GPa.

5. (currently amended) Intervertebral disc according to ~~any one of claims 1-4~~ claim 1, wherein the fibres consist of polyethylene.

6. (currently amended) Intervertebral disc according to ~~any one of claims 1-5~~ claim 1, wherein are also present windings of a traction-resistant fibre which run completely across the lateral surface.

7. (currently amended) Intervertebral disc according to ~~any one of claims 1-6~~ claim 1, wherein between the nucleus and the fibres a fabric is present along at least the lateral surface and at least a part of the lower side and a part of the upper side.

8. (original) Intervertebral disc according to claim 7, wherein the fabric consists of traction-resistant fibres.

9. (original) Intervertebral disc according to claim 8, wherein the fibres have a tensile strength of at least 1 GPa and a modulus of at least 10 GPa.